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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JUN 06 EPFULL enhanced with 260,000 English abstracts
NEWS 3 JUN 06 KOREAPAT updated with 41,000 documents
NEWS 4 JUN 13 USPATFULL and USPAT2 updated with 11-character
patent numbers for U.S. applications
NEWS 5 JUN 19 CAS REGISTRY includes selected substances from
web-based collections
NEWS 6 JUN 25 CA/CAPLUS and USPAT databases updated with IPC
reclassification data
NEWS 7 JUN 30 AEROSPACE enhanced with more than 1 million U.S.
patent records
NEWS 8 JUN 30 EMBASE, EMBAL, and LEMBASE updated with additional
options to display authors and affiliated
organizations
NEWS 9 JUN 30 STN on the Web enhanced with new STN AnaVist
Assistant and BLAST plug-in
NEWS 10 JUN 30 STN AnaVist enhanced with database content from EPFULL
NEWS 11 JUL 28 CA/CAPLUS patent coverage enhanced
NEWS 12 JUL 28 EPFULL enhanced with additional legal status
information from the epoline Register
NEWS 13 JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 14 JUL 28 STN Viewer performance improved
NEWS 15 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
NEWS 16 AUG 13 CA/CAPLUS enhanced with printed Chemical Abstracts
page images from 1967-1998
NEWS 17 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 18 AUG 15 CAPLUS currency for Korean patents enhanced
NEWS 19 AUG 27 CAS definition of basic patents expanded to ensure
comprehensive access to substance and sequence
information
NEWS 20 SEP 18 Support for STN Express, Versions 6.01 and earlier,
to be discontinued
NEWS 21 SEP 25 CA/CAPLUS current-awareness alert options enhanced
to accommodate supplemental CAS indexing of
exemplified prophetic substances
NEWS 22 SEP 26 WPIDS, WPINDEX, and WPIX coverage of Chinese and
and Korean patents enhanced
NEWS 23 SEP 29 IFICLS enhanced with new super search field
NEWS 24 SEP 29 EMBASE and EMBAL enhanced with new search and
display fields
NEWS 25 SEP 30 CAS patent coverage enhanced to include exemplified

				phphetic substances identified in new Japanese-language patents
NEWS 26	OCT 07			EPFULL enhanced with full implementation of EPC2000
NEWS 27	OCT 07			Multiple databases enhanced for more flexible patent number searching
NEWS 28	OCT 22			Current-awareness alert (SDI) setup and editing enhanced
NEWS 29	OCT 22			WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS EXPRESS	JUNE 27 08			CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS HOURS				STN Operating Hours Plus Help Desk Availability
NEWS LOGIN				Welcome Banner and News Items
NEWS IPC8				For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:33:37 ON 23 OCT 2008

```
=> file reg
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          0.21          0.21
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FILE 'REGISTRY' ENTERED AT 10:33:52 ON 23 OCT 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

```
STRUCTURE FILE UPDATES: 21 OCT 2008 HIGHEST RN 1064205-90-8
DICTIONARY FILE UPDATES: 21 OCT 2008 HIGHEST RN 1064205-90-8
```

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

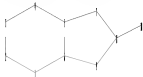
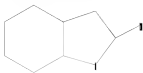
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

23/10/2008,10580638.trn

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10580638product.str



chain nodes :

10

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

8-10

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

6-9 8-9

exact bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 7-8 8-10

isolated ring systems :

containing 1 :

Match level :

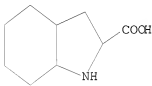
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 10:37:17 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 226 TO ITERATE

100.0% PROCESSED 226 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 3619 TO 5421
 PROJECTED ANSWERS: 4 TO 200

L2 4 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 10:37:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4480 TO ITERATE

100.0% PROCESSED 4480 ITERATIONS

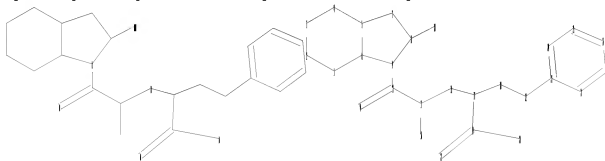
88 ANSWERS

SEARCH TIME: 00.00.01

L3 88 SEA SSS FUL L1

=>

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chain nodes :

10 12 13 14 15 16 17 18 19 20 21 22

ring nodes :

1 2 3 4 5 6 7 8 9 23 24 25 26 27 28

chain bonds :

8-10 9-12 12-13 12-14 13-15 13-16 15-17 17-18 17-19 18-22 19-20 19-21
 22-23

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 23-24 23-28 24-25 25-26 26-27
 27-28

exact/norm bonds :

6-9 8-9 9-12 12-14 13-15 15-17 19-20 19-21

exact bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 7-8 8-10 12-13 13-16 17-18 17-19 18-22
 22-23

normalized bonds :

23-24 23-28 24-25 25-26 26-27 27-28

isolated ring systems :

containing 1 :

Match level :

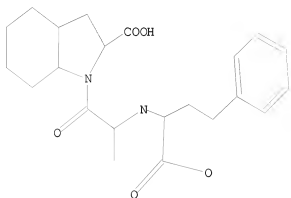
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
 20:CLASS 21:CLASS 22:CLASS 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom

L4 STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4

SAMPLE SEARCH INITIATED 10:37:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 222 TO ITERATE

100.0% PROCESSED 222 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3547 TO 5333

PROJECTED ANSWERS: 6 TO 266

L5 6 SEA SSS SAM L4

=> s l4 full

FULL SEARCH INITIATED 10:37:59 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4194 TO ITERATE

100.0% PROCESSED 4194 ITERATIONS

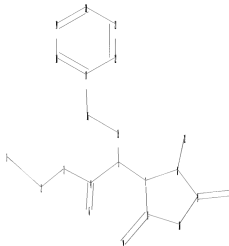
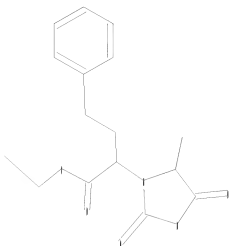
126 ANSWERS

SEARCH TIME: 00.00.01

L6 126 SEA SSS FUL L4

=>

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```

chain nodes :
1  2  3  4  5  6  12  13  14  15  16
ring nodes :
7  8  9  10  11  17  18  19  20  21  22
chain bonds :
1-2  2-3  3-4  4-5  4-6  5-7  5-15  8-12  9-13  11-14  15-16  16-17
ring bonds :
7-8  7-11  8-9  9-10  10-11  17-18  17-22  18-19  19-20  20-21  21-22
exact/norm bonds :
2-3  3-4  4-6  5-7  7-8  7-11  8-9  9-10  9-13  10-11  11-14
exact bonds :
1-2  4-5  5-15  8-12  15-16  16-17
normalized bonds :
17-18  17-22  18-19  19-20  20-21  21-22

```

```

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom
10:Atom 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom
18:Atom 19:Atom 20:Atom 21:Atom 22:Atom

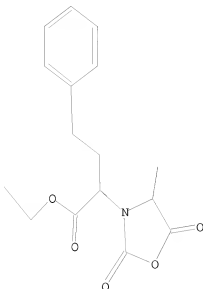
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L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS

L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l7

SAMPLE SEARCH INITIATED 10:39:01 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4 TO ITERATE

100.0% PROCESSED 4 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4 TO 200
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s l7 full

FULL SEARCH INITIATED 10:39:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 85 TO ITERATE

100.0% PROCESSED 85 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

L9 9 SEA SSS FUL L7

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

538.30

538.51

FILE 'HCAPLUS' ENTERED AT 10:39:34 ON 23 OCT 2008

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FILE COVERS 1907 - 23 Oct 2008 VOL 149 ISS 17
FILE LAST UPDATED: 22 Oct 2008 (20081022/ED)

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l6/P and l3/ract and l9/ract
      55 L6/P
      139 L3
      3172834 RACT/RL
      107 L3/RACT
          (L3 (L) RACT/RL)
      54 L9
      3172834 RACT/RL
      44 L9/RACT
          (L9 (L) RACT/RL)
L10      9 L6/P AND L3/RACT AND L9/RACT

=> d ed abs ibib hitstr tot
```


110 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STM (Continued)



IT 84793-34-EP, 8-[1-(8)-Ethoxycarbonyl-3-phenylpropyl]-L-alanine
 Reagent (Reactant); RCT (Reactant or reagent); PREP (Preparation);
 RCT (Reactant or reagent);
 Preparation of trans-1,2-dihydroindole-2-carboxylic acid intermediate in
 synthesis of
 trans-1,2-dihydroindole-2-carboxylic acid
 CN 84793-34-8 HCAPLUS
 CN 2-Oxolidinone acid, 6-methyl-2,5-dioxo- α -(2-phenylethyl)-,
 ethyl ester, (4S,6S)- (CA INDEX NAME)

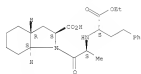
Absolute stereochemistry.



110 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STM (Continued)

IT 87679-37-EP, trans-1,2-dihydroindole-2-carboxylic acid
 Reagent (Reactant); RCT (Reactant or reagent); PREP (Preparation);
 RCT (Reactant or reagent);
 Preparation of perhydroindole-2-carboxylic acid intermediate in
 synthesis of
 trans-1,2-dihydroindole-2-carboxylic acid
 CN 87679-37-4 HCAPLUS
 CN 18-Indole-2-carboxylic acid, 1-[(2S)-2-[(1S)-1-(ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydro-, (2S,2a,7aS)- (CA INDEX NAME)

Absolute stereochemistry. Notation (-).



IT 881637-63-6
 Reagent (Reactant); RCT (Reactant or reagent); PREP (Preparation);
 RCT (Reactant or reagent);
 Preparation of perhydroindole-2-carboxylic acid intermediate in
 synthesis of
 trans-1,2-dihydroindole-2-carboxylic acid
 CN 881637-63-6 HCAPLUS
 CN 18-Indole-2-carboxylic acid, octahydro-, (2a,7aS)- (CA INDEX NAME)

Absolute stereochemistry.



IT 84793-34-EP
 Reagent (Reactant); RCT (Reactant or reagent); PREP (Preparation);
 RCT (Reactant or reagent);
 Preparation of perhydroindole-2-carboxylic acid intermediate in
 synthesis of
 trans-1,2-dihydroindole-2-carboxylic acid
 CN 84793-34-8 HCAPLUS
 CN 2-Oxolidinone acid, 6-methyl-2,5-dioxo- α -(2-phenylethyl)-,
 ethyl ester, (4S,6S)- (CA INDEX NAME)

Absolute stereochemistry.

110 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STM (Continued)

IT 84793-34-EP, 8-[1-(8)-Ethoxycarbonyl-3-phenylpropyl]-L-alanine
 Reagent (Reactant); RCT (Reactant or reagent); PREP (Preparation);
 RCT (Reactant or reagent);
 Preparation of trans-1,2-dihydroindole-2-carboxylic acid intermediate in
 synthesis of
 trans-1,2-dihydroindole-2-carboxylic acid
 CN 84793-34-8 HCAPLUS
 CN 2-Oxolidinone acid, 6-methyl-2,5-dioxo- α -(2-phenylethyl)-,
 ethyl ester, (4S,6S)- (CA INDEX NAME)

Absolute stereochemistry.

ACCESSION NUMBER: 5060784106 HCAPLUS
 DOCUMENT NUMBER: 144750983
 TITLE: Process for the preparation of
 (2S,2a,7aS)-perhydroindole-2-carboxylic acid
 intermediate in synthesis of trans-1,2-dihydroindole-2-carboxylic acid
 INVENTOR(S):
 Joshi, Harendra Shriram Bhurad, Shashik Bhaskar
 Patil, Sudhakar Prakash; Bhat, Anjan Rajaram
 PATENT ASSIGNEE(S):
 Glenmark Pharmaceuticals Limited, India
 U.S. Pat. Appl. Publ., 10 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 20040679496	A1	20040413	US 2004-043872	20041107
PROPERTY APPL. INFO.			US 2004-616974F	F 20041007
			US 2004-616959F	P 20041007

OTHER SOURCE(S): CASREACT 144750983; NARFAT 144750983

IT 145438-34-4F
 Reagent (Reactant); RCT (Reactant or reagent); PREP (Preparation);
 RCT (Reactant or reagent);
 Preparation of perhydroindole-2-carboxylic acid intermediate in
 synthesis of
 trans-1,2-dihydroindole-2-carboxylic acid
 CN 145438-34-4 HCAPLUS
 CN 18-Indole-2-carboxylic acid, octahydro-, (2S,2a,7aS)- (CA INDEX NAME)

Absolute stereochemistry. Notation (-).



110 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STM (Continued)



L10 ANSWER 5 OF 9 HCAPULUS COPYRIGHT 2008 ACS ON STM (Continued)
 AS Entered STM: 17 Jun 2005
 AB Transdiagonal intermediate (2S,3aR,7aR)-octahydro-18-indole-2-carboxylic acid for its C-protected derivative, or salt) was prepared by reacting a cyclohexyl aziridine with a dialkyl malonate to form a trans-fused 3-alkylcyclohexyl-octahydroindol-3-one, deoxygenation of the 3-position, conversion of 2-one group to an optionally protected carboxylic acid group, and removal of any W-adding. Examples illustrate the synthetic method, starting with reaction of cyclohexanone with chloroamine-7 to form N-benzylcyclohexanimine.

ACCESSION NUMBER: 2005123418 HCAPULUS
 DOCUMENT NUMBER: 14714276
 TITLE: A method for the preparation of (2S,3aR,7aR)-octahydro-18-indole-2-carboxylic acid as key intermediate in the preparation of transdiagonal

by reacting a cyclohexyl aziridine with a dialkyl malonate
 INVENTOR(S): C.A. Fox
 PATENT ASSIGNOR(S): Teconcoro Pharmaceuticals, Liechtenstein
 SOURCE: PCT Int. Appl., 34 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 200404334	A1	20040616	WO 2004-EP13377	20041115
US 20040123501	A1	20040723	US 2003-256210	20040212
EP 1461273	A1	20040809	EP 2004-818261	20041125
JP 20050123501	A1	20050123	JP 2003-256210	20041125

PRIORITY APPL. INFO.: EP 2003-256210 A 20031125
 WO 2004-EP13377 M 20041125

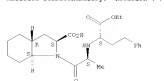
OTHER SOURCE(S): CONTRACT 143-44076) NDA047 143-44076
 IT 87679-37-4 HCAPULUS
 RI DR (Industrial manufacture); STM (Synthetic preparation); PREP (Preparation)
 preparation of octahydroindolecarboxylic acid as key intermediate in synthesis of transdiagonal by reacting cyclohexyl aziridine with dialkyl

L10 ANSWER 5 OF 9 HCAPULUS COPYRIGHT 2008 ACS ON STM (Continued)
 Relative stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE SE
 FORMAT

L10 ANSWER 5 OF 9 HCAPULUS COPYRIGHT 2008 ACS ON STM (Continued)
 RI 87679-37-4 HCAPULUS
 CN 18-indole-2-carboxylic acid, 1-[(2S)-2-[(11S)-1-(ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydro-, (2S,3aR,7aR)- ICA INDEX NAME
 NAME: Absolute stereochemistry. Notation (-).



IT 84793-24-8
 RI RCT (Reactant); RACT (Reactant or reagent)
 preparation of octahydroindolecarboxylic acid as key intermediate in synthesis of transdiagonal by reacting cyclohexyl aziridine with dialkyl malonate
 RI 84793-24-9 HCAPULUS
 CN 3-Oxaolidinecarboxylic acid, 4-methyl-2,5-dioxo-4-(2-phenylethyl)-, ethyl ester, (4S,4S)- ICA INDEX NAME

Absolute stereochemistry.



IT 87679-58-3P
 RI RCT (Reactant); STM (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 preparation of octahydroindolecarboxylic acid as key intermediate in synthesis of transdiagonal by reacting cyclohexyl aziridine with dialkyl malonate
 RI 87679-58-1 HCAPULUS
 CN 18-Indole-2-carboxylic acid, octahydro-, (2R,3aR,7aR)-rel- ICA INDEX

L10 ANSWER 6 OF 9 HCAPULUS COPYRIGHT 2008 ACS ON STM
 AS Entered STM: 10 Jun 2005
 AB The invention relates to a method for producing optionally substituted (N-[1-(8)-carboxy-3-phenylpropyl]-8-alaanyl-2R, 3aR, 7aR-octahydroindol-3-carboxylic acid and the pharmaceutically acceptable salts thereof. To this end, a racemic mixture of optionally substituted trans-octahydroindol-3-carboxylic acid is reacted with the N-carboxyanhydride of (N-[1-(8)-alkoxycarbonyl-3-phenylpropyl]-1-L-alanine), which is optionally substituted on the Ph ring, in an appropriate inert solvent, and the obtained optionally substituted (N-[1-(8)-alkoxycarbonyl-3-phenylpropyl]-8-alaanyl-2R, 3aR, 7aR-octahydroindol-3-carboxylic acid), preferably transdiagonal, is subsequently isolated, as well as polymorphic forms A and B of transdiagonal.

ACCESSION NUMBER: 2005149385 HCAPULUS
 DOCUMENT NUMBER: 14312343
 TITLE: Method for producing (N-[1-(8)-carboxy-3-phenylpropyl]-8-alaanyl-2R, 3aR, 7aR-octahydroindol-3-carboxylic acid) compounds especially transdiagonal via their racemic salts

INVENTOR(S): Bouter, Michay Rodolf; Felling, Michael; Hans-Christoph Rader, Thomas
 PATENT ASSIGNOR(S): Asad Pharmaceuticals Ingredients A.G., Switzerland
 SOURCE: PCT Int. Appl., 37 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005013899	A1	20050409	WO 2004-CH889	20041115
US 20050123501	A1	20050123	US 2003-256210	20040212
EP 1461273	A1	20040809	EP 2004-818261	20041125
JP 20050123501	A1	20050123	JP 2003-256210	20041125
WO 2004-CH889	M	20041125		

PRIORITY APPL. INFO.: EP 2003-256210 A 20031125
 WO 2004-CH889 M 20041125

IT 87679-55-1
 RI RCT (Reactant); RACT (Reactant or reagent)
 method for producing (N-[1-(8)-carboxy-3-phenylpropyl]-8-alaanyl-2R,

L10 ANSWER 6 OF 9 NCAPLUS COPYRIGHT 2008 ACS ON STM (Continued)
 3a, 7a, 7a'-octahydroindole-2-carboxylic acid) compds. esp. tandrolapril
 via their racemic salts)
 EN 87679-37-4 NCAPLUS
 CN 18-Indole-2-carboxylic acid, octahydro-, (2S,3a,7a,8)-rel- (CA INDEX NAME)

Relative stereochemistry.



IT 87679-34-4P 87725-72-2P
 R1a RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 NACT (Reactant or reagent)
 Method for producing
 (R)-[1-(5)-carboxy-3-phenylpropyl]-5-alanyl-2S,
 3a, 7a'-octahydroindole-2-carboxylic acid) compds. especially
 tandrolapril
 via their racemic salts)

EN 87725-72-2 NCAPLUS
 CN 2-Carboxyindole-3-acids, 6-methyl-2,5-dioxo-6-(2-phenylethyl)-,
 ethyl ester, (4S,6S)- (CA INDEX NAME)

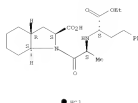
Absolute stereochemistry.



EN 87725-72-2 NCAPLUS
 CN 18-Indole-2-carboxylic acid, 1-[(2S)-2-[[1(S)-1-(ethoxycarbonyl)-3-
 phenylpropyl]amino]-1-oxopropyl]octahydro-, monohydrochloride,
 (2S,3a,7a,8)- (JEC) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

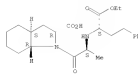
L10 ANSWER 6 OF 9 NCAPLUS COPYRIGHT 2008 ACS ON STM (Continued)



IT 87679-37-4P
 R1a SPN (Synthetic preparation); PREP (Preparation)
 Method for producing
 (R)-[1-(5)-carboxy-3-phenylpropyl]-5-alanyl-2S,
 3a, 7a'-octahydroindole-2-carboxylic acid) compds. especially
 tandrolapril
 via their racemic salts)

EN 87679-37-4 NCAPLUS
 CN 18-Indole-2-carboxylic acid, 1-[(2S)-2-[[1(S)-1-(ethoxycarbonyl)-3-
 phenylpropyl]amino]-1-oxopropyl]octahydro-, (2S,3a,7a,8)- (CA INDEX NAME)

Absolute stereochemistry.



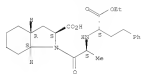
IT 87679-37-4P, Tandrolapril
 R1a SPN (Synthetic preparation); THU (Therapeutic use); R10L (Biological
 study); PREP (Preparation); USES (Use)

Method for producing
 (R)-[1-(5)-carboxy-3-phenylpropyl]-5-alanyl-2S,
 3a, 7a'-octahydroindole-2-carboxylic acid) compds. especially
 tandrolapril
 via their racemic salts)

EN 87679-37-4 NCAPLUS
 CN 18-Indole-2-carboxylic acid, 1-[(2S)-2-[[1(S)-1-(ethoxycarbonyl)-3-
 phenylpropyl]amino]-1-oxopropyl]octahydro-, (2S,3a,7a,8)- (CA INDEX NAME)

L10 ANSWER 6 OF 9 NCAPLUS COPYRIGHT 2008 ACS ON STM (Continued)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RS
 FORMAT

L10 ANSWER 7 OF 9 NCAPLUS COPYRIGHT 2008 ACS ON STM

EN Entered STM: 06 Aug 2004

AS Disclosed is a process for producing benzyl
 (2S,3a,7a,8)-hexahydroindole-2-carboxylate (I), characterized by
 heating
 a racemic mixture consisting of

(2S,3a,7a,8)-hexahydroindole-2-carboxylic acid (III),
 benzyl alc., and optically active 10-camphorsulfonic acid in a noneq.
 solvent to convert the racemic mixture to benzyl ester, subjecting the
 diastereomeric salts of the benzyl esters with the optically active
 10-camphorsulfonic acid which have been generated in the same reaction
 system to optical resolution based on a difference in solubility in an
 organic solvent, and then treating one of the isomers with a base. This process
 can simultaneously carry out esterification of a mixture of racemic II

and
 III with benzyl alc. and optical resolution in one step in high yield,
 shortens the existing process by two steps, and is industrially
 advantageous. Thus, a racemic mixture of II and III (69.5 g, benzyl alc.
 129.7 g, and (1S)-1-(10-camphorsulfonic acid (IV) 27.5 g were added to
 toluene in a flask fitted with a condenser and a Dean-Stark separator,
 refluxed with stirring while removing a certain quantity of water,
 distilled

under reduced pressure to remove the solvent (apprx.630 mL), and treated
 with 800 mL tert-Bu Me ether at -apprx.60° with stirring. The
 precipitated crystals were collected by filtration, successively washed
 with toluene and tert-Bu Me ether, dried to give a crude crystalline
 diastereomer
 salt (189.5 g) which was recrystd. twice from toluene to give the
 diastereomer 1.1V salt (2.5 g) which was added to a mixture of 315 mL
 tert-Bu Me ether and 63 mL H₂O, treated dropwise with 120 mL 10.6%

aqueous
 Na2CO3 solution, stirred for 10 min to give, after workup, 22.2 g I
 (64.0%)
 (from the racemate).

ACCESSION NUMBER: 2004-633014 NCAPLUS

DOCUMENT NUMBER: 141140316

TITLE: Process for producing intermediate for tandrolapril

by
 esterification of racemic
 (2S,3a,7a,8)-hexahydroindole-2-carboxylic acid with
 benzyl alcohol and optical resolution
 Shunmura, Hiroaki; Nakata, Yoshitaka
 Chora Chemical Industries, Ltd., Japan

INVENTOR(S): FCT Int. Appl., 15 pp.

PATENT ASSIGNEE(S): CODE: P1002

SOURCE: Patent

DOCUMENT TYPE: Japanese

FAMILY ACT: NUM. COUNT: 1

INVENTOR INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004053568	A2	20040803	WO 2004-39774	20040119

W: AR, AG, AL, AM, AT, AU, BA, BB, BE, BF, BG, BR, BY, CA, CH,
 CN, CO, CR, CU, DE, DK, DM, ES, FI, FR, GB, GR, HU, IL, IN, JP, KE, KG, KP, KR, KZ, LC,
 LU, MA, MG, MK, MN, MU, MV, MW, MY, NZ, OM, PA, PE, PG, PH, PK, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, SM, SN, SR, ST, SV, TH, TJ, TM, TR, TT, TZ, UA, UG, UZ, VC, VE, VU, YU, ZA, ZM, ZW

110 ANSWER 7 OF 9 SCAPLIFE COPYRIGHT 2008 ACS on STN (Continued)
LK, LR, LS, LT, LU, LV, MA, MD, ME, MI, MN, MO, NY
PRIORITY APPL. INFO.: JP 2003-11889 A 20030121

OTHER SOURCE(S): CASREACT 141:149316
 IT 87679-24-8 87679-58-1
 rel-(2S,3R,7aS)-hexahydroindoline-2-carboxylic acid
 RE: RCT (Reactant); RACT (Reactant or reagent)
 [preparation of optically active benzyl
 (2S,3R,7aS)-hexahydroindoline-2-carboxylate as intermediate for
 transacylation by esterification of racemic
 (2S,3R,7aS)-hexahydroindoline-2-carboxylic acid and benzyl
 alcohol]

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resolution
      using camphorsulfonic acid)
IN  84793-24-8  NCAPLUS
CN  3-Oxazolidinonecarboxic acid, 6-methyl-2,5-dioxo- $\alpha$ -(2-phenylethyl)-,
    ethyl ester, (aS,4S)-  (CA INDEX NAME)

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Absolute stereochemistry.



FN 87679-58-1 ECAPLOS
 CN 1E-Indole-2-carboxylic acid, octahydro-, (2R,3aS,7aR)-rel- (CA INDEX NAME)

Relative stereochemistry.



17 87679-37-6P, Tramadolapril
 XL: SYN (Synthetic preparation); PREP (Preparation)
 [preparation of optically active benzyl
 (2S,3a,7aS)-hexahydroindolizinecarboxylate as intermediate for
 tramadolapril by esterification of racemic
 (2SR,3aSR,7aSR)-hexahydroindolizinecarboxylic acid and optical
 resolution]

L10 ABSTRACT OF 9 CHAPTERS COPYRIGHT 2008 ACS on STN
 AD Entered STN: 03 APR 2003
 AD The invention discloses a method for producing angiotensin converting
 enzyme inhibitors (S)-PHECISAC[COOEt]-L-Ala-3 (NEPA-3) and
 AD a method for acceptable synthesis of the diastereomer of carbonyl
 group-protected derivs. in non-aqueous medium. The product is obtained
 AD in high yield with minimal byproduct formation. Thus, NEPA-1-Pro-OHMe3,
 prepared by coupling of NEPA-NMe3 with D-Pro-OHMe3, was stirred with
 isopropanol at room temperature and treated with maleic acid to afford

1/1/1	enalapril maleate.	2003:255129	SCAPLUS
ACCESSION NUMBER:		2003:255129	SCAPLUS
DOCUMENT NUMBER:		138-21979	
TITLE:		Method for producing enalapril and related	
angiotensin			
INVENTOR(S):		converting enzyme inhibitors	
PATENT ASSIGNEE(S):		Tier, Hong-Tong; Liu, Yu-Liang	
SOURCE:		Weight USA, Inc., USA	
		U.S., 7 pp.	
		CODEN: USXKCM	
DOCUMENT TYPE:		Patent	
		English	
FAMILY ACC. NUM. COMNT:	1		
LANGUAGE INFORMATION:			

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6541635	B1	20030401	US 2002-178369	20020625
PRIORITY APPL. INFO.			TW 2002-9136339	20020329

```

JZTR SOURCE(5P)          CSMSEACT 138:271979
IT  80876-02-3P
RL  IPH [Industrial manufacture]; SPN [Synthetic preparation]; PEP
   [Preparation]
CN  Preparation of enalapril and related angiotensin converting enzyme
    inhibitors via deprotection of silyl esters:
KN  80876-01-3 SCAPLUS
CN  18-Indole-2-carboxylic acid, 1-[(2S)-2-[[[1(S)-1-(ethoxycarbonyl)-3-
    phenylpropyl]amino]-2-oxopropoxy]octahydro-, (1S,3aS,7aS)-] (CIN INDEM

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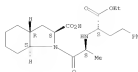
Absolute stereochemistry.

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110 ANSWER 7 OF 9 NCAPLES COPYRIGHT 2008 ACS on STN (Continued)
      using phosphorsulfonic acid)
EN 87679-17-6 NCAPLES
CN 18-Indole-2-carboxylic acid, 1-[[[(2S)-2-[[[(1S)-1-(ethoxycarbonyl)-3-
      phenylpropyl]amino]-1-oxopropyl]octahydro-, (2S,3aR,7aS)-]CA INDEX
NAME)

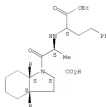
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Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

110 ANSWER 8 OF 9 BCAPLOS COPYRIGHT 2008 ACS on 3/7/11 (Continued)



IT 80875-98-5 84793-24-8
KL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of enalapril and related angiotensin converting enzyme
inhibitors via deprotection of silyl esters)

Absolute stereochemistry. Rotation (-).



FN 84793-24-8 BCAFPLUS
 CN 3-Oxazolidinoneacetic acid, 4-methyl-2,5-dioxo-a-(2-phenylethyl)-,
 ethyl ester, (aS,4S)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COURT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L10 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STM (Continued)

L10 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STM
ED Entered STM: 12 Apr 2002

AB α -Amino acids salts with organic super bases, 118838002-
A-BU-G- (R1R2) is α -C (n = 1 or 2) or β (n = 3); A, B, D = alkyl,
alkylaryl or may combine to form a heterocyclic group; R = H or a side
chain of an optionally protected amino acid; R1 = H, Ph, Et, or R and R1
may combine to form a mono-, bi-, or tricyclic heterocyclic ring), were
prepared

and reacted with N-substituted amino acids to form dipeptides. Thus,
treatment of a CEC12 solution of the salt of L-alanine and
tert-butyltriisopropylsilylphosphonate with R1
trans β -homocysteinate, followed by hydrolysis, afforded
N-[(1S)-1-(ethoxycarbonyl)-3-phenylpropyl]-L-alanine (1). Reaction of
the
N-carboxyanhydride of 1 with L-proline in CEC12 in the presence of IBO
yielded analog 11 (isolated as the oxalate).

ACCESSION NUMBER: 2002172075 HCAPLUS
DOCUMENT NUMBER: 136121021
TITLE: Preparation of amino acid salts soluble in organic
solvents and their use in dipeptide synthesis
INVENTOR(S): Ruben Hueland, Francisco Espanol, Diego Vell,
Antonio Luis
SOURCE: Spain
SOURCE: Span., 24 pp.
CIDEFI SP2545
DOCUMENT TYPE: Patent
LANGUAGE: Spanish
FAMILY ACC. NUM. COUNTRY: 1
PATENT INFORMATION:

PATENT NO.	FILED DATE	APPLICATION NO.	DATE
ES 2156037	A1	20010601	ES 1997-745
ES 2156037	B1	20020301	ES 1997-745
PRIORITY APPL. INFO.:			ES 1997-745

OTHER SOURCE(S): CASREACT 136:210181; NMRPAT 136:210181
IT 00875-95-5 04793-24-0 145420-94-4

REACT (Reactant) RACT (Reactant or reagent)
IT 00875-95-5 04793-24-0 145420-94-4
184194-75-2
Preparation of amino acid salts soluble in organic solvents and
their use in
dipeptide synthesis

KN 00875-95-5 HCAPLUS
CN 18-Indole-2-carboxylic acid, octahydro-, (2S,3aS,7aS)- (CA INDEX NAME)

Absolute stereochemistry. Notation (-)-.

L10 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STM (Continued)



KN 04793-24-0 HCAPLUS
CN 3-Oxocellidimethetic acid, 4-methyl-2,5-dioxo- α -(2-phenylethyl)-,
ethyl ester, (4S,5S)- (CA INDEX NAME)

Absolute stereochemistry.



KN 14439-34-4 HCAPLUS
CN 18-Indole-2-carboxylic acid, octahydro-, (2S,3aS,7aS)- (CA INDEX NAME)

Absolute stereochemistry. Notation (-)-.



KN 184194-75-2 HCAPLUS
CN 18-Indole-2-carboxylic acid, octahydro-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



IT 07679-37-8P
RE: SYN (Synthetic preparation); PREP (Preparation)
Preparation of amino acid salts soluble in organic solvents and
their use in
dipeptide synthesis

L10 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2008 ACS on STM (Continued)

dipeptide synthesis)
KN 07679-37-8 HCAPLUS
CN 18-Indole-2-carboxylic acid, 1-[(2S)-2-[(1S)-1-(ethoxycarbonyl)-3-
phenylpropyl]amino]-L-oxypropyl]octahydro-, (2S,3aS,7aS)- (CA INDEX
NAME)

Absolute stereochemistry. Notation (-)-.

